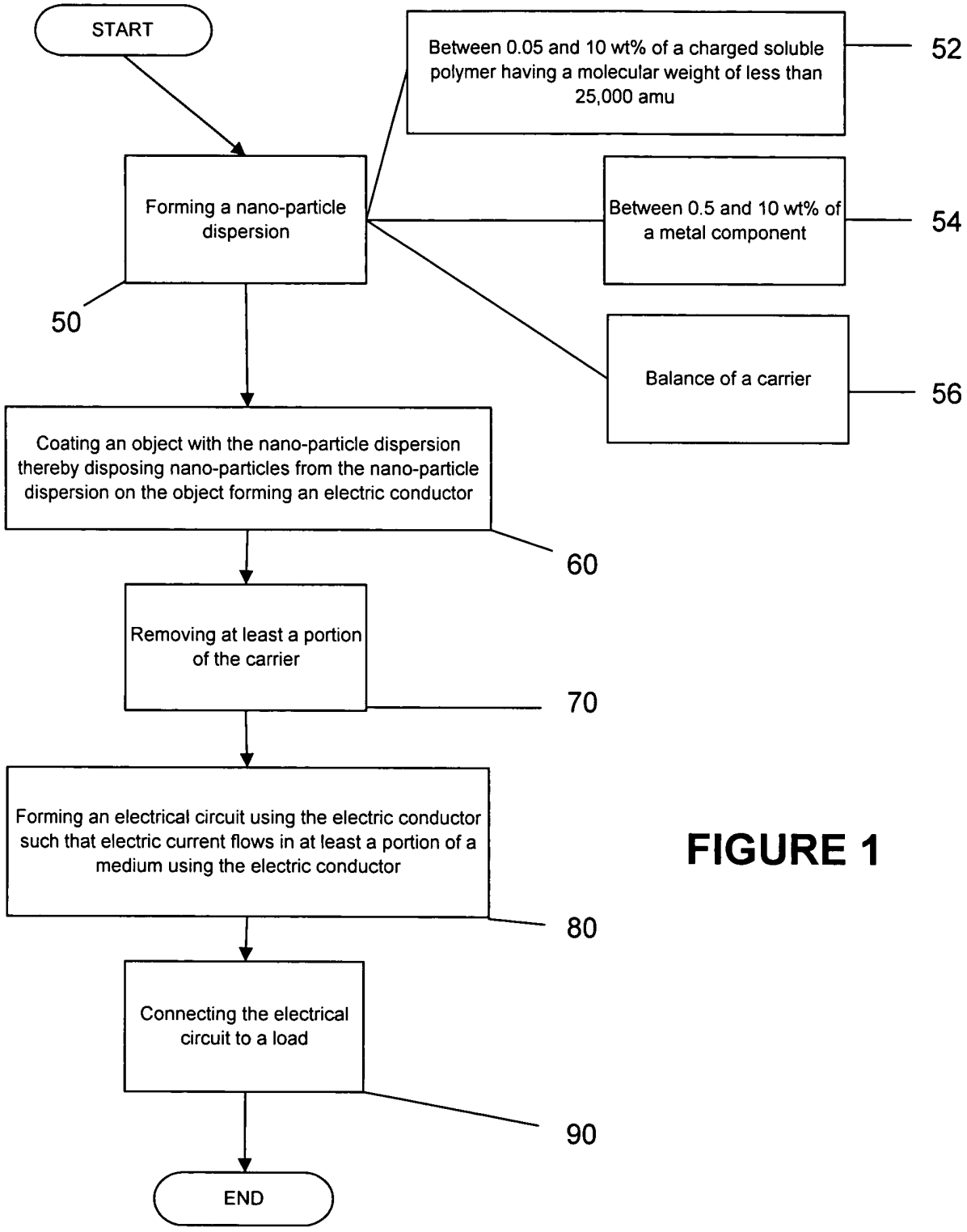
START
Between 0.05 and 10 wt% of a charged soluble polymer having a molecular weight of less than 25,000 amu
52
Forming a nano-particle dispersion
Between 0.5 and 10 wt% of a metal component
54
50
Balance of a carrier
56
Coating an object with the nano-particle dispersion thereby disposing nano-particles from the nano-particle dispersion on the object forming an electric conductor
60
Removing at least a portion of the carrier
70
Forming an electrical circuit using the electric conductor such that electric current flows in at least a portion of a medium using the electric conductor
80
Connecting the electrical circuit to a load
90
END

FIGURE 1

Figure 2

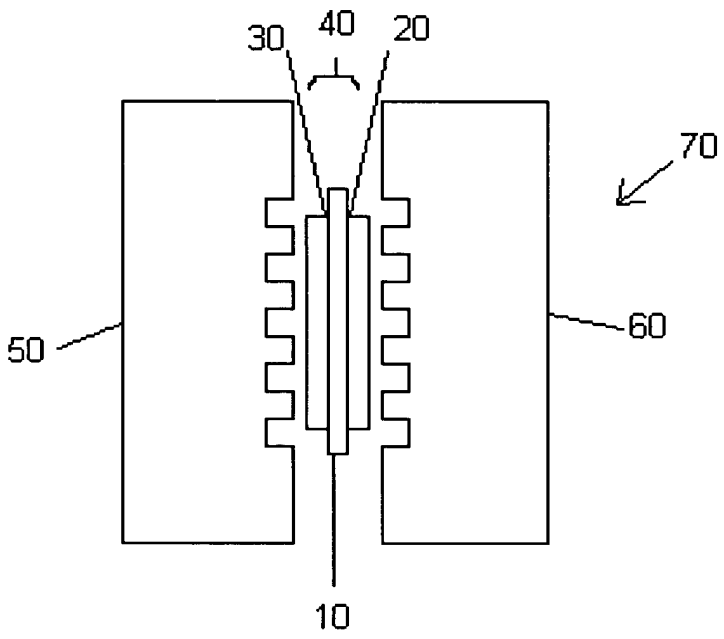
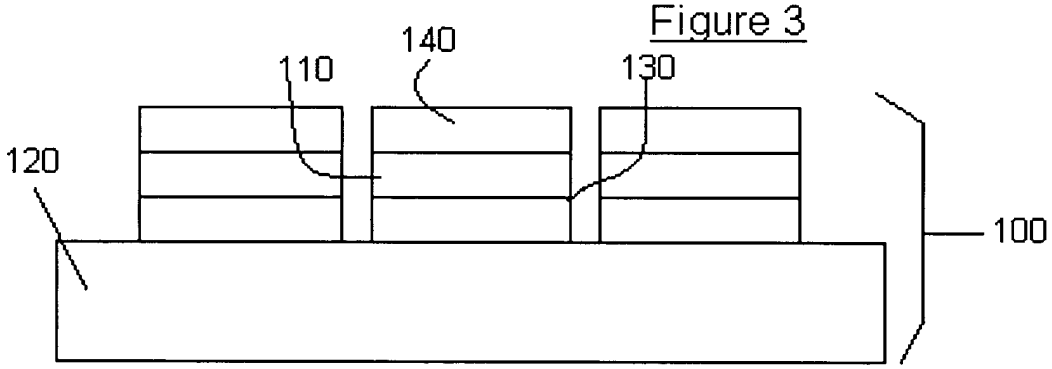
Figure 3